

## Technical description for Global IT Controller model number JD22E00004F1

### 1.The system summary of Global IT Controller JD22E00004F1

This device (called "GITC") calculates the operation information of the crane, and it is a controller having a function to transmit a message to WEB server after having saved it temporarily.

In addition, it is equipped with the GPS function.

The system summary in Fig.1.

During the control of the crane, an operator does not operate this GITC directly at all. GITC has no buttons which a operator operates directly.

By communication between the controller or the receipt electric wave signal from the outside, it functions entirely.

But the operation of GITC has only a monitoring function for the operation of the crane without influence entirely.

The trouble of GITC does not influence the operation of the crane.

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- This device communicates in the following condition during crane driving for the Web server.
  - \* At the time of the trouble outbreak of the crane again at the time of trouble cancellation
  - \* When serious operation about security occurred operationally
  - \* When GITC transmits accumulation data for 1st regularly (By night)
  - \* When there was data demand from the WEB server.

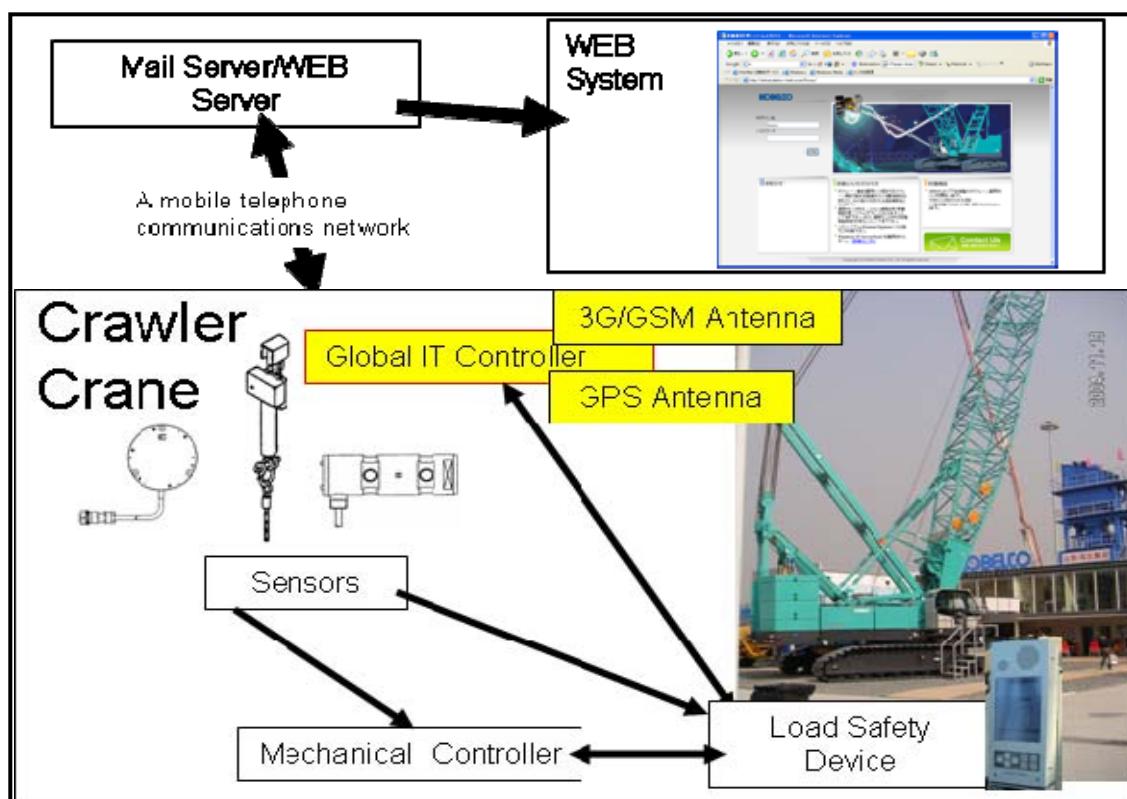


Fig.1. The system summary of Crawler Crane GITC System

## 2.The installation of the device

This device is installed near the driver's seat of the crane's cabin.

Figure of placement of the operator's seat is just what to show it in Fig.2, Fig.3.

The GITC is connected to an Load Safety Device (LSD) installed on a crane by a RS232C communications cable.

The power supply is connected to the battery of the crane directly and can transmit the data which I saved by the receipt from the outside even if a crane is not switched on.

In addition, the built-in battery is not equipped with GITC.

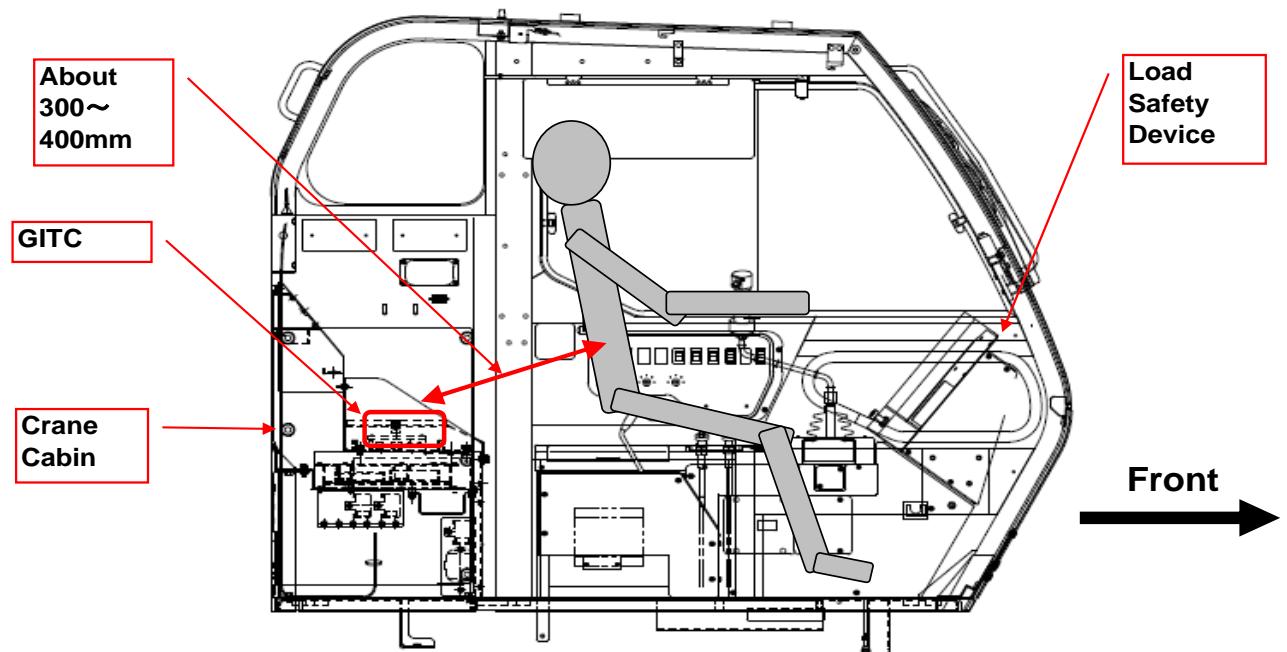


Fig.2. The installation of GITC

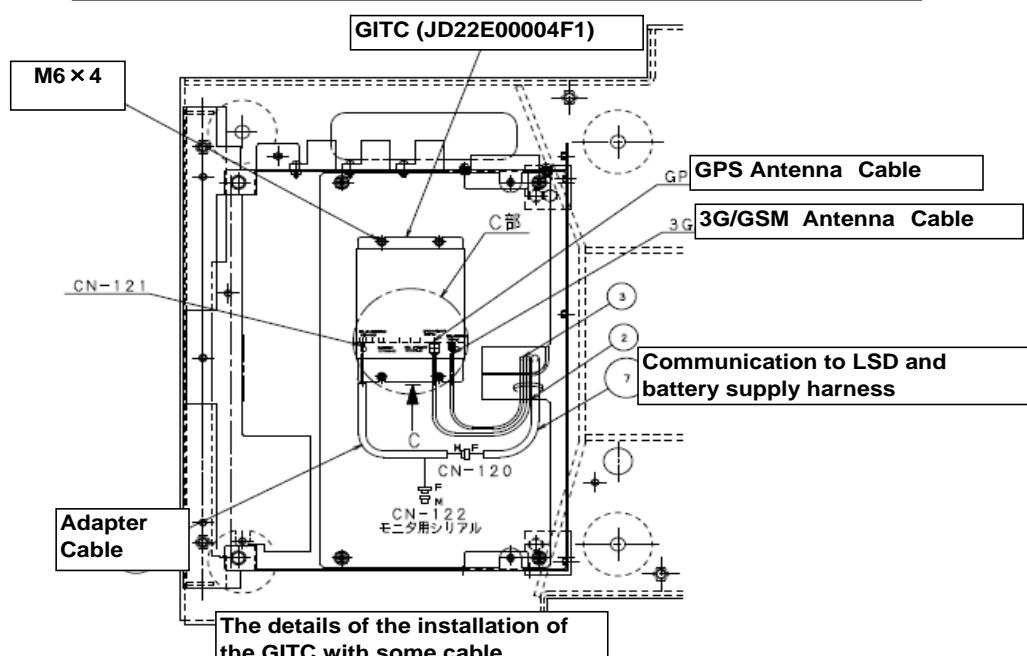


Fig.3. The installation of GITC (Details)

### 3.FCC statements

#### 3.1.

##### NOTICE:

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

#### 3.2.

##### NOTICE:

Changes or modifications made to this equipment not expressly approved by **KOBELCO CRANES CO., LTD.** may void the FCC authorization to operate this equipment.

#### 3.3.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### 3.4.

##### RF Exposure:

##### Radiofrequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.